

Agent's reference: 05-476-C

**IN THE UNITED STATES RECEIVING OFFICE (RO/US)**

In re Application of:	)	
	)	
Choon Geun Cho	)	Group Art Unit: TBA
	)	
Serial No.: 10/567,529	)	Examiner: TBA
	)	
Filed: February 7, 2006	)	
	)	
For: Apparatus and Method for Tracking The	)	
Position of a Person/Object Using a Mobile	)	
Communication Network	)	

**TRANSMITTAL LETTER**

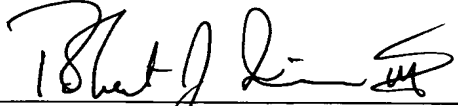
Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sirs:

In regard to the above-identified application we are transmitting herewith the attached:

- 1) International Preliminary Report on Patentability;
- 2) **CERTIFICATE OF MAILING BY "EXPRESS MAIL" UNDER 37 CFR § 1.10:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited with the United States Postal Service with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia, 22313-1450, on this 24<sup>th</sup> day of May, 2006, Express Mail No. **EV839411485US**.

Respectfully submitted,

By   
\_\_\_\_\_  
Robert J. Irvine III  
Registration No. 41,865  
Attorney for the Applicant(s)

From the INTERNATIONAL BUREAU

**PCT**NOTIFICATION CONCERNING  
TRANSMITTAL OF COPY OF INTERNATIONAL  
PRELIMINARY REPORT ON PATENTABILITY  
(CHAPTER I OF THE PATENT COOPERATION  
TREATY)

(PCT Rule 44bis.1(c))

To:

YOON, Jee Hong  
Hannuri Bldg. 219 Naeja-dong, Chongno-gu  
Seoul 110-053  
RÉPUBLIQUE DE CORÉE

APR 24 2006

DUE DATE:

Date of mailing (day/month/year)  
06 April 2006 (06.04.2006)Applicant's or agent's file reference  
FE241508

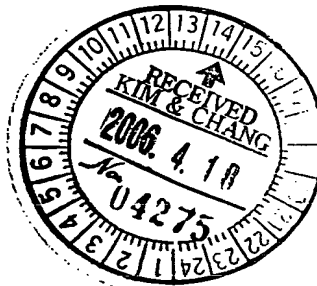
## IMPORTANT NOTICE

International application No.  
PCT/KR2004/002466International filing date (day/month/year)  
24 September 2004 (24.09.2004)Priority date (day/month/year)  
26 September 2003 (26.09.2003)

Applicant

UTSTARCOM KOREA LIMITED et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Philippe Becamel

Facsimile No.+41 22 740 14 35

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# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FE241508	<b>FOR FURTHER ACTION</b>	See item 4 below
International application No. PCT/KR2004/002466	International filing date ( <i>day/month/year</i> ) 24 September 2004 (24.09.2004)	Priority date ( <i>day/month/year</i> ) 26 September 2003 (26.09.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant UTSTARCOM KOREA LIMITED		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

Date of issuance of this report  
27 March 2006 (27.03.2006)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

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## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 18 JAN 2005

WIPO

PCT

**PCT**

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

YOON, Jee Hong

Hannuri Bldg. 219 Naeja-dong, Chongno-gu, Seoul 110-053  
Republic of Korea

Date of mailing

(day/month/year) 06 JANUARY 2005 (06.01.2005)

Applicant's or agent's file reference

FE241508

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

**PCT/KR2004/002466**

International filing date (day/month/year)

**24 SEPTEMBER 2004 (24.09.2004)**

Priority date(day/month/year)

26 SEPTEMBER 2003 (26.09.2003)

International Patent Classification (IPC) or both national classification and IPC

**IPC7 H04Q 7/22**

Applicant

**UTStarcom Korea Limited et al**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

**2. FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

JEONG, Hae Kon

Telephone No. 82-42-481-5986



**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/002466

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/KR2004/002466

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-11	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1-11	NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims	NONE	NO

**2. Citations and explanations :**

D1 : KR1998-0016036 A (1998.05.25)

D2 : KR2003-0045245 A (2003.06.11)

Claims 1-11 of the present invention relate to a device and a method for tracking position using mobile communication network which comprises the following functions: in case a terminal user is in emergency, a protector detects the terminal user's position by GPS and a position information management server; in case the terminal user asks notification processing means a notification request, the terminal of the terminal user gets to output a notification voice message.

D1 discloses a method and an apparatus for emergency call comprising the following function : if a protector sends a signal for emergency code and message to the protected, emergency call rings in the terminal of the protected and a sign asking a help appears on the display at the same time.

D2 discloses a method for calling of portable terminal in emergency and a device thereof which delivers position information of the terminal user to a certain person by GPS in case of a terminal user's emergency.

In view of the teachings of citations D1-D2 taken in combination, these citations disclose all of the features of Claims 1-11. Thus, the subject matter of Claims 1-11 do not involve an inventive step in the sense of Article 33(3)PCT.

The industrial applicability of Claims 1-11 is self-evident in the sense of Article 33(4)PCT.